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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,306	12/11/2003	Jeff Glickman	IFC 338	9953

23581 7590 06/20/2006

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EXAMINER
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ALAVI, AMIR

ART UNIT	PAPER NUMBER
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2624

DATE MAILED: 06/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/735,306	GLICKMAN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Amir Alavi	2624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 11 December 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 16-31 is/are allowed.
- 6) ☒ Claim(s) 1,4,5,10-12,32,35,36 and 40-42 is/are rejected.
- 7) ☒ Claim(s) 2,3,6-9,13-15,33,34 and 37-39 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date. _____  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>20060117</u> .  | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### **Claim Rejections - 35 USC § 102**

- The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

- Claims 1,4-5,10-12,32,35-36 and 40-42 are rejected under 35 U.S.C. 102(b) as being anticipated by Foley (USPN 5,450,130).

Regarding claim 1, Foley discloses: reading a first subset of the subsampled image data into a cache memory and into a buffer, wherein the buffer has an amount of memory equal to or less than the cache memory, calculating chrominance values for at least some pixels of the subset of the subsampled image data to form decompressed image data and outputting the decompressed image data (please note, column 5, lines 21-40).

Regarding claim 4, Foley discloses, wherein the subsampled image data is 4:2:0 cosited image data (please note, column 8, lines 1-10).

Regarding claim 5, Foley discloses, wherein the buffer has a first line, a second line and a third line, and wherein the first line and the third line contain sampled chrominance values of the subsampled image data (please note, figure 2, element 24).

Regarding claim 10, Foley discloses reading a second subset of the subsampled image data into the cache memory and into the buffer after outputting the decompressed image data (please note, figure 2, element 6).

Regarding claim 11, Foley discloses iteratively reading subsets of the subsampled image data into the cache memory and into the buffer, calculating chrominance values for at least some pixels of each subset of the subsampled image data, and outputting the decompressed image data until the subsampled image data has been completely decompressed (please note, figure 2).

Regarding claim 12, Foley discloses wherein the decompressed image data is output to an output buffer configured to hold a complete set of decompressed image data (please note, column 5, lines 35-40).

Regarding claim 32, arguments analogous to those presented for claim 1, are applicable.

Regarding claims 35-36, arguments analogous to those presented for claims 4-5, respectively, are applicable.

Regarding claims 40-42, arguments analogous to those presented for claims 10-12, respectively, are applicable.

### **Allowable Subject Matter**

- Claims 16-31 are allowed.
- Claims 2-3,6-9,13-15,33-34 and 37-39 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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- Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amir Alavi whose telephone number is 571-272-7386. The examiner can normally be reached on Mon-Thu.. 8:00 am thru 6:30pm.
- If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Bella C. Matthew can be reached on 571-272-7778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
- Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

